

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: February 20, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** No precipitation has been recorded in the area since the previous inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Slightly warmer weather had caused a small thaw in the top soil layer and access roads and the yard are slightly muddy at this time. 2/4-2/20/04 - The deep frost layer is still in the soil providing support. Gravel or mat installation may be necessary in the spring to stabilize access roads. 2/20/04 - Gravel had been changed out in the pads in the yard and things look much cleaner. 2/13-2/20/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 1/15-2/20/04 - None at this time. Continue to monitor. 2/20/04
Foundation construction	<ul style="list-style-type: none"> - Foundations for retaining walls are being constructed along the site. Work at the northern end of the site requires dewatering at this time. The bases are being installed. 2/13-2/20/04 - The foundation work continues within the yard. Excavation is controlled and all areas are within the silt 	<ul style="list-style-type: none"> - Continue to monitor any potential impacts to the silt fence during work. 1/22-2/20/04 - Some thought is being put towards identifying bank stabilization measures following installation of the walls near the river. 2/20/04

Areas of Inspection	Observation	Recommended Action
	<p>fence. 1/30-2/20/04</p> <ul style="list-style-type: none"> - Large trenches/excavations are opened for the retaining walls and underground work. 2/13-2/20/04 - Some of the concrete base may be poured today. 2/20/04 	<ul style="list-style-type: none"> - The major trench work areas are being stabilized with well-constructed shoring for safety reasons 2/13-2/20/04
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<ul style="list-style-type: none"> - Fairly frozen conditions and a little remaining snow cover at the site continue to prevent potential large issues however some thawing and subsequent muddiness has occurred. 2/4-2/20/04 	<ul style="list-style-type: none"> - Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-2/20/04
	<ul style="list-style-type: none"> - Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-2/20/04 -The silt fence appears stable in almost all locations, including the recently repaired areas. 2/20/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-2/20/04 - Keep up with silt fence repair as needed, and continue to be proactive 2/20/04
	<ul style="list-style-type: none"> - Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-2/20/04 -The soil is fairly frozen and shows no indication of movement at this time. Silt fence is well in place here. 1/30-2/20/04 - A second topsoil stockpile has been created due to the excavations for the retaining walls. This is located approximately in the center of the site and will be able to be reused. 2/20/04 	<ul style="list-style-type: none"> - The status of the stockpile and the weather will be monitored carefully in the next few months. A second barrier of silt fence should be placed at the toe of the pile at a feasible opportunity between now and a time when thawing begins to occur and rains are forecasted. Portions of the pile may have been utilized by this time. 1/15-2/20/04 - Silt fence or haybales should be considered for placement at the base of this new stockpile if necessary and feasible. 2/20/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> - The basin was receiving diverted flows from the dewatering efforts. The water was coming down the larger riprap swale and was extremely clear upon reaching the basin. 2/20/04 - A haybale has been staked at the smaller side riprap swale to slow sedimentation. 2/20/04 	<ul style="list-style-type: none"> - Continue to monitor the basin and outlets for any sediment laden flows 2/20/04 - Repair and stabilize any noted erosion on the banks of the basin. 2/20/04
	<ul style="list-style-type: none"> - The previously disturbed area beyond the silt fence at the northern end of the site has been graded and mulched with straw at this time. 2/20/04 	<ul style="list-style-type: none"> - When work extends here in the future, the silt fence should be extended to encompass it 2/20/04
	<ul style="list-style-type: none"> - A small amount of concrete discharge was noted at a berm near the temporary sediment basin. This area may be appropriate for washouts due to future activities here but it should be designated. 2/20/04 	<ul style="list-style-type: none"> - Continue to use one, fairly contained location for all concrete washouts. Consider posting a sign or designating the area. Placing a few haybales around the area and possibly plastic sheeting on the ground for easier disposal may be appropriate. 2/20/04
	<ul style="list-style-type: none"> - Soil removal activities have been halted for now but will resume soon. 2/20/04 - Discussions are ongoing regarding a small portion of the soil with over 2000 parts per million of lead. Coordination and approval for excavating and disposing of the soil at a proper facility is occurring. Only if absolutely necessary, the soil may be stockpiled until approval for disposal is obtained. 2/20/04 	<ul style="list-style-type: none"> - None at this time. When the excavation is completed in the future, the disturbed soil will be stabilized. 1/22-2/20/04 - If stockpiling is necessary, only as a final option, it will be placed on poly sheeting with a haybale berm and then covered over with poly sheeting. It is not anticipated that this stockpiling will be necessary. 2/20/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - The silt fence remains in place and it is effective in controlling the sediment on site. 1/22-2/20/04. 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-2/20/04

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - The mulched area remains well stabilized. Potential future bank stabilization measures are being investigated for construction areas that are immediately adjacent. 2/20/04 - The dewatering discharge is no longer being diverted to the haybale corral near the river so this potential source had been removed. 2/20/04 	<ul style="list-style-type: none"> - Monitor the riverbank as well and make repairs as necessary. 2/20/04
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - The area where the tree clearing had occurred is one of the areas being investigated for bank stabilization measures as a result of the adjacent construction of the retaining wall. 2/20/04 - Roots and stumps are left in place here. 2/20/04 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There are no serious erosion issues. 1/15-2/20/04 - The more vegetation left in place at the river, the more stable the bank will be. 2/20/04
Dewatering	<ul style="list-style-type: none"> - Dewatering continues as a result of the trench work for the retaining walls. The previous corral used for dewatering had been abandoned in favor of the divergent swale that flows to the temporary sediment basin. Construction activities had advanced far enough this week to connect into the swale. 2/20/04 	<ul style="list-style-type: none"> - The water is very clear within the swale and is running directly into the basin and being contained appropriately. 2/20/04
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time 2/20/04 	<ul style="list-style-type: none"> - None at this time 2/20/04

Areas of Inspection	Observation	Recommended Action
Spills	<ul style="list-style-type: none"> - No spills were reported this week and none were observed during the inspection. 2/20/04 - Tracking pads have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis. - The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak. - Report spills to the office immediately, even if they are being controlled.
Additional/Miscellaneous Observations	<ul style="list-style-type: none"> - If any plowing is necessary, snow will remain on the work side of the silt fence and will not be deposited closer to the river. - Another wintry mix/rain storm is predicted for the weekend. Continue to monitor all erosion controls. 	

Next likely scheduled inspection:

Wednesday February 25, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana L. Walden



A CHECK DAM WAS PLACED IN ORDER TO HELP CONTROL SEDIMENT ENTERING THE TEMPORARY BASIN. THIS MAY HELP TO PRESERVE THE CAPACITY OF THE BASIN. 2/20/04



VIEW OF A SMALL CONCRETE WASHOUT ON THE GROUND NEAR THE OUTSIDE BERM FORMED BY THE BASIN. THE AREA SHOULD BE DESIGNATED AS A WASHOUT AREA AND CONTAINED 2/20/04



THE SILT FENCE BEHIND THE STOCKPILE IS STILL HOLDING UP WELL. 2/20/04



VIEW OF DEWATERING FLOWS BEING DISCHARGED TO THE RIPRAP SWALE LEADING TO THE TEMPORARY DETENTION BASIN. THE WATER WAS VERY CLEAR ALONG THE ENTIRE PATHWAY AND WAS APPROPRIATELY DIRECTED. 2/20/04



FOUNDATION AND BASES BEING PREPARED FOR THE CONSTRUCTION OF THE RETAINING WALLS ON SITE. THIS IS FAIRLY CLOSE TO THE RIVERBANK. 2/20/04



MORE VIEWS OF THE RETAINING WALL FOUNDATION. CONCRETE WAS ALMOST READY TO BE POURED IN THIS LOCATION. 2/20/04



OVERVIEW OF PREVIOUSLY EXCAVATED AREA INCLUDING NEW STOCKPILE ON SITE . 2/20/04



VUE OF AREA AT NORTHERN END OF THE SITE. SOIL HAS BEEN GRADED BACK AND THE AREA HAS BEEN MULCHED. WHEN WORK COMMENCES HERE IN THE FUTURE, SILT FENCE SHOULD BE EXTENDED TO ENCOMPASS IT. 2/20/04